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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/784,821	02/24/2004	Yoshihisa Iba	042139	8491
38834	38834 7590 05/04/2005		EXAMINER	
WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP			NGUYEN, HA T	
1250 CONNEC	1250 CONNECTICUT AVENUE, NW SUITE 700		ART UNIT	PAPER NUMBER
WASHINGTON, DC 20036			2812	-
			DATE MAILED: 05/04/2005	

Please find below and/or attached an Office communication concerning this application or proceeding.

·	•	Application No.	Applicant(s)			
Office Action Summary		10/784,821	IBA, YOSHIHISA			
		Examiner	Art Unit			
		Ha T. Nguyen	2812			
Period fo	The MAILING DATE of this communication or Reply	appears on the cover sheet with the	correspondence address			
THE   - External after   - If the   - If NO   - Failu   Any	ORTENED STATUTORY PERIOD FOR RE MAILING DATE OF THIS COMMUNICATIO nsions of time may be available under the provisions of 37 CFR SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a period for reply is specified above, the maximum statutory per re to reply within the set or extended period for reply will, by state to reply within the set or extended period for reply will, by state ply received by the Office later than three months after the maded patent term adjustment. See 37 CFR 1.704(b).	N. 1.136(a). In no event, however, may a reply be reply within the statutory minimum of thirty (30) did will apply and will expire SIX (6) MONTHS fro titute, cause the application to become ABANDON	timely filed  ays will be considered timely.  In the mailing date of this communication.  NED (35 U.S.C. § 133).			
Status						
1)	Responsive to communication(s) filed on _	·				
2a) <u></u> ☐	This action is <b>FINAL</b> . 2b) ☐ T	This action is non-final.				
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.					
Dispositi	on of Claims					
4)🖾	4)⊠ Claim(s) <u>1-25</u> is/are pending in the application.					
	4a) Of the above claim(s) is/are withdrawn from consideration.					
5)□	5) Claim(s) is/are allowed.					
-	Claim(s) is/are rejected.					
	Claim(s) is/are objected to.					
8)[X]	Claim(s) <u>1-25</u> are subject to restriction and/	or election requirement.				
Applicati	on Papers					
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: -a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)	The oath or declaration is objected to by the	Examiner. Note the attached Office	e Action or form PTO-152.			
Priority u	ınder 35 U.S.C. § 119		•			
a)[	Acknowledgment is made of a claim for fore  All b) Some * c) None of:  1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the papplication from the International Bursee the attached detailed Office action for a line.	ents have been received. ents have been received in Applica riority documents have been receive eau (PCT Rule 17.2(a)).	ation No ved in this National Stage			
Attachment	Ne)		11 /			
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)						
2) Notice	e of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail I	Date			
	nation Disclosure Statement(s) (PTO-1449 or PTO/SB/ r No(s)/Mail Date	08) 5) Notice of Informal 6) Other:	Patent Application (PTO-152)			

## Election/Restriction

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 2-25, drawn to a process of making a semiconductor device, classified in class 438, subclass 618.
  - II. Claim 1, drawn to a semiconductor device, classified in class 257, subclass 750+.
- 2. The inventions are distinct, each from the other because of the following reasons:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case The product as claimed can be made by a materially different process such as forming an interconnection layer without a SiC barrier layer; patterning the interconnection layer; conformally forming a silicon or carbon rich dielectric layer containing Si, C, and O; forming a dielectric layer containing Si, C, and O with stoichiometric concentrations on the silicon or carbon rich dielectric layer.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classifications, and separate examination would be required, restriction for examination purpose as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(I).

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ha T. Nguyen whose telephone number is (571) 272-1678. The examiner can normally be reached on Monday-Friday from 8:30AM to 6:00PM, except the first Friday of each bi-week. The telephone number for Wednesday is (703) 560-0528.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt, can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ha Nguyen

**Primary Examiner** 

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